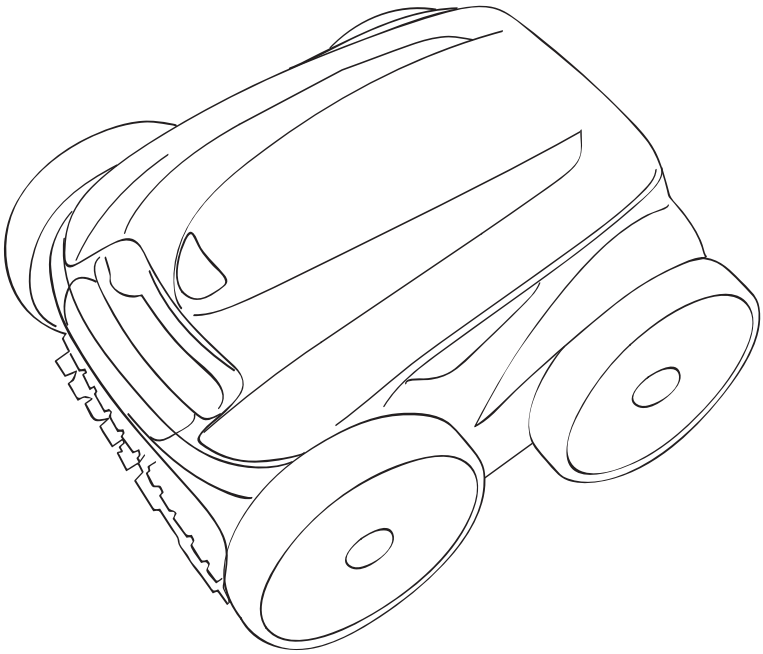
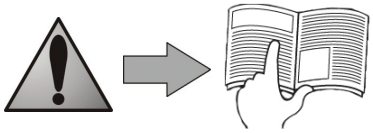
ZODIAC®

V3 4WD V4 4WD



Instructions for installation and use
English

EN



H0402400.A - W2503A - 2013/02

• Read this manual carefully before installing, maintaining or repairing this device!

• The symbol ⚠ indicates important information that must be taken into account in order to avoid risk of personal injury and/or damage to the appliance.

• The symbol ⓘ indicates useful information.

• Exclusive use: pool water cleaning (must not be used for any other purpose).

⚠ Warnings

Failure to comply with the following warnings can result in permanent injury, electrocution or drowning.

PREVENT ELECTRICAL SHOCK

To reduce risk of electrical shock:

• Connect unit to receptacle protected by a Ground Fault Circuit Interrupter (GFCI) or a Residual Current Device (RCD) having a rated residual operating current not exceeding 30mA.

• While the control unit is water resistant, it is not intended for any type of sustained contact with water. Therefore, it should be installed at least 3.5 meters from the inside wall of your swimming pool. Never submerge the control unit.

⚠ • Be sure to follow all applicable local and national electrical and installation codes.

• The cleaner is for permanently-installed, in-ground pools only. The cleaner is to be installed in accordance with the relevant requirements of the Australian wiring rules AS/NZS 3000. Also refer to the installation instructions relating to the swimming pool equipment for which the cleaner will be an integral part. The cleaner is to be supplied through a Residual Current Device (RCD) with a rated residual operating current of 30mA.

• Do not enter pool while the cleaner is in water.

• Do not bury cord. Locate cord so as to prevent it from being damaged by lawn mowers, hedge trimmers and other equipment.

• To reduce the risk of electrical shock, do not use the cleaner or control unit if the cord is worn or damaged. If the supply cord is damaged it must be replaced by the manufacturer or its service agent, or a similarly qualified person in order to avoid a hazard.

• Double insulation—The cleaner utilizes a 'double-insulated' construction which means that it is designed such that it does not require a safety-connection to earth ground. For continued protection against possible electric shock, use only identical replacement parts when servicing. Do not attempt repair of the cleaner, control unit, power cord, or floating cable.

• NEVER OPEN CONTROL UNIT.

• Do not use an extension cord to connect the unit to electric supply; provide a properly located outlet. The control unit should be placed near the outlet box.

PREVENT CHILD INJURY AND DROWNING

• To reduce the risk of injury, do not permit children to operate this product.

• Do not let anyone, especially small children, sit, step, lean, or climb on any equipment installed as part of your pool's operational system.

Warnings

Failure to comply with the following warnings could cause damage to pool equipment or personal injury.

• This product is intended for use with permanently-installed pools. Do not use with storable pools. A permanently-installed pool is constructed in or on the ground or in a building such that it cannot be readily disassembled for storage. A storable pool is constructed so that it is capable of being readily disassembled for storage and reassembled to its original integrity.
• The cleaner must be installed and operated as specified.
• Turn the cleaner off before removing it from water, and do not operate out of water.
• Do not remove the cleaner from the pool for 15 minutes after the cleaning cycle has completed.
• Clean filter canister in the cleaner after each use.
• Do not use the product in your pool if the water temperature is above 35° C or below 13° C.

USE OF THE CLEANER IN A VINYL LINER POOL

Certain vinyl liner patterns are particularly susceptible to rapid surface wear of pattern removal caused by objects coming into contact with the vinyl surface, including pool brushes, pool toys, floats, fountains, chlorine dispensers, and automatic pool cleaners. Some vinyl liner patterns can be seriously scratched or abraded simply by rubbing the surface with a pool brush. Ink from the pattern can also rub off during the installation process or when it comes into contact with objects in the pool. Zodiac Group Australia Pty Ltd., is not responsible for, and the Limited Warranty does not cover, pattern removal, abrasion or markings on vinyl liners.

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1. Information before use

1.1 Important

Check that your appliance has not been damaged during transport (shocks, broken parts, etc.). If you find any problems don't hesitate to contact your reseller before using the cleaner.

1.2 Technical specifications

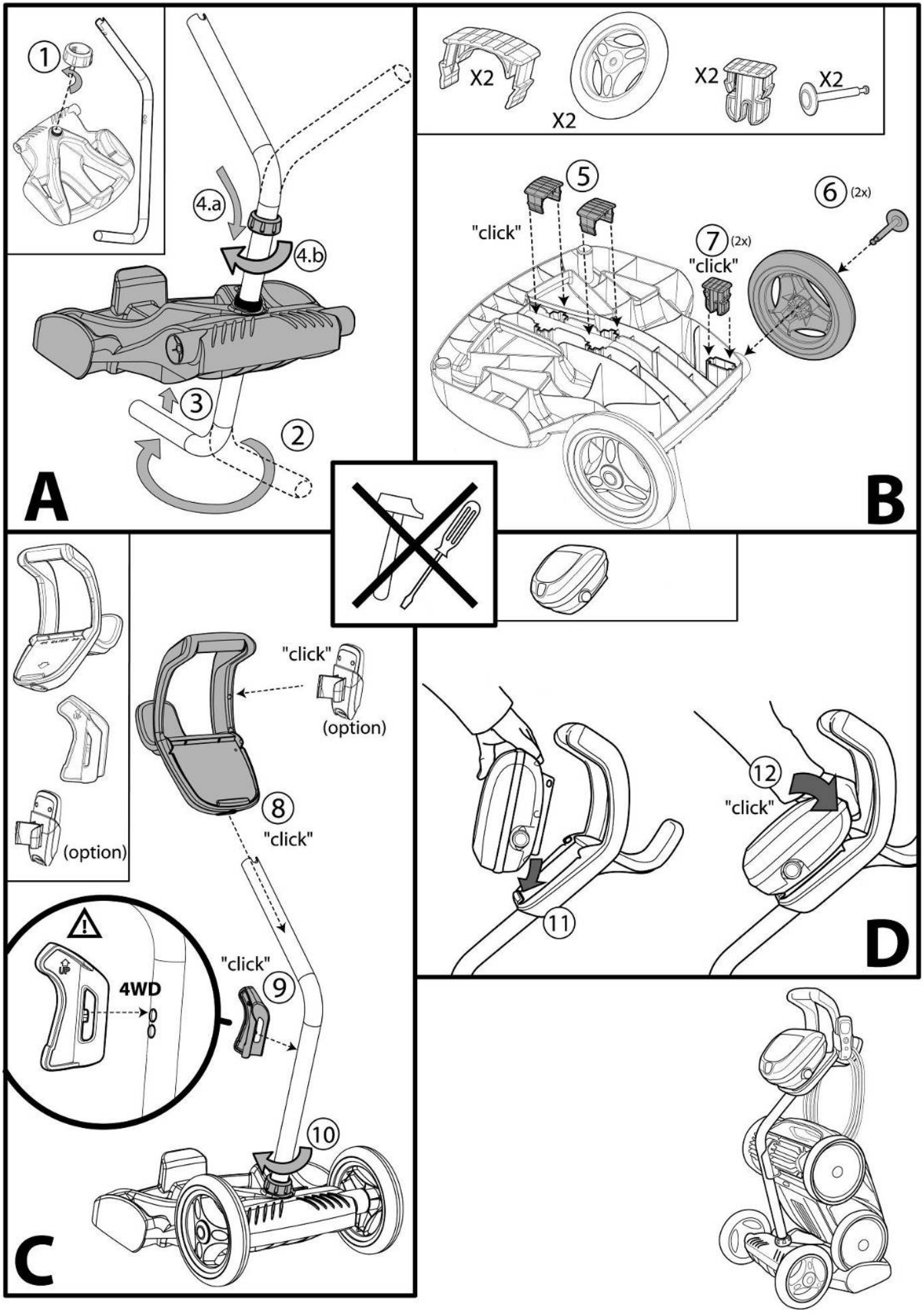
Control unit voltage	220-240 VAC, 50 Hz; short-circuit-proof safety isolating type
Robot supply voltage	30 V DC
Installed load	150 W
Cable length	18 m or 21 m (V4 4WD)
Cleaner size (WxDxH)	43 x 48 x 27 cm
Pack size (WxDxH)	56 x 56 x 46 cm
Weight of cleaner	9 kg 500
Packed weight	19 kg
Theoretical width cleaned	270 mm
Pump output	16 m^3/hr
Cycle duration	Depending on the selected cycle

1.3 Recommendations for use

- The cleaner must operate in pool water having the following characteristics: Chlorine < 3 mg/l, pH between 6.8 and 7.6, temperature between 15°C and 35°C,
- Regular use of the cleaner means that your pool will always be clean and the filter less clogged,
- When the pool is dirty, especially when commissioning, remove the largest debris using a net in order to optimise cleaner performance. Start by launching several bottom-only mode cleaning cycles.
- Remove any thermometers, toys and other objects that might damage the cleaner,
- Immerse the cleaner before launching a cleaning cycle,
- Do not leave the cleaner in the water permanently,
- Stow your cleaner on its caddy as soon as possible in order to avoid distorting the flexible edge at the filter input.
- Do not leave the control box in direct sunlight after having used the cleaner,
- Never cover the control box while the cleaner is in operation,
- If part of the pool is not properly cleaned change the place where you immerse the cleaner until you find the best spot,
- The behaviour of the robot is strongly impacted by the tangling of the cable. Please untangle the cable and lay it out in the sun so that it returns to its original shape,
- You can operate the filtering pump during a cleaning cycle, the particles placed in suspension by the cleaner will thus be filtered out. However, if the behaviour of the cleaner is influenced by the jet as the discharge nozzle level when the filtering pump is operational, we advise you to start your robot when the filtering pump is not operating.

Do not use your cleaner during shock chlorination!

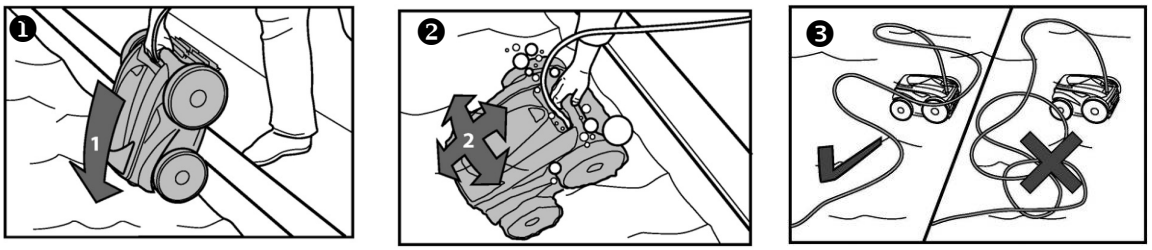
1.4 Package content and assembly of the transport caddy



1.5 Immersing the cleaner

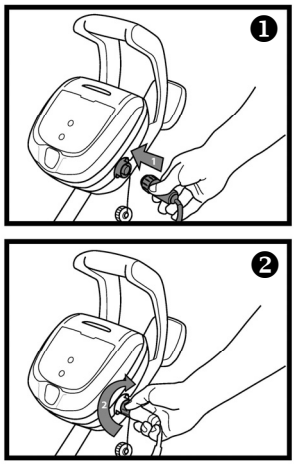
Do not allow bathing when the cleaner is in the pool.

- Place the cleaner vertically into the water **(1)** and move it slightly in all directions so that the air contained in the cleaner escapes **(2)**.
- It is essential that the cleaner sinks on its own and settles on the pool bottom. Spread out the required length of cable by the pool. For optimum operation we recommend that you place the caddy with the control box at the centre of the pool length **(3)**.



1.6 Electrical connection

Place the control box on the caddy at a distance of at least 3.5 metres from the edge of the pool avoiding placing the control box in direct sunlight.

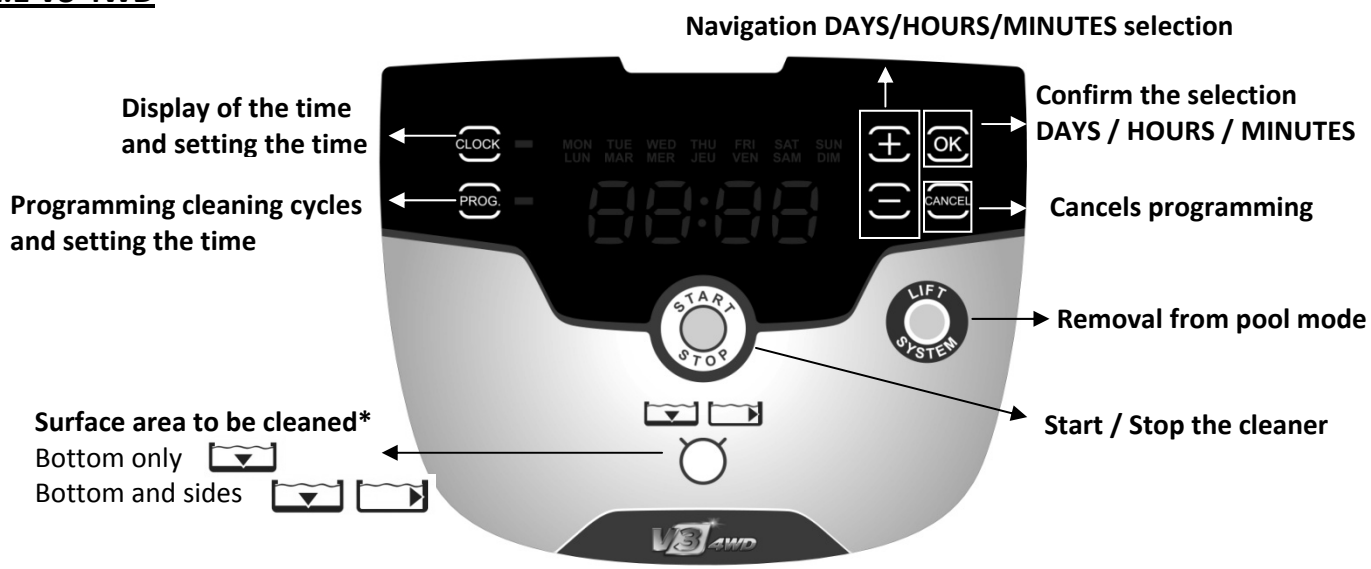


- Unscrew the protective cap.
- Connect the power supply cable to the control box (**1**) and lock it into place: firmly tighten the ring by turning it clockwise (**2**). Make sure the connector is sufficiently pushed into place. If this is not the case repeat the operation.
- Connect the mains cable. Only connect the control box to a power outlet protected by a 30 mA maximum ground fault circuit breaker **(if in doubt contact a qualified electrician)**.

Don't forget to screw the protective cap back on if you unplug the control box power cord.

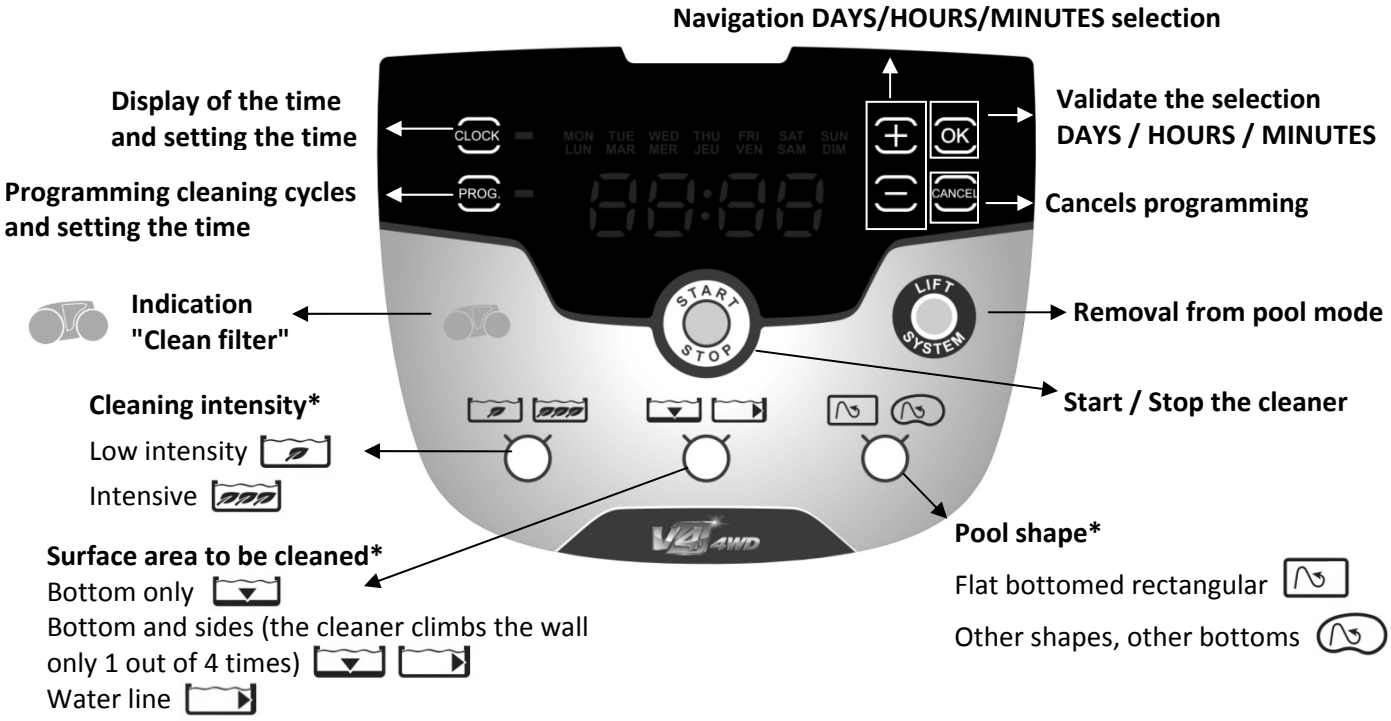
2. Description of the control box

2.1 V3 4WD



*The selected cleaning cycle can be identified via the icons that are displayed

2.2 V4 4WD



*The selected cleaning cycle can be identified via the icons that are displayed.
Concerning the pool shape, the cleaner will adapt its movement strategy depending on the choice in order to optimise the coverage rate.

3. Use

3.1 Starting up the cleaner

- When you connect the control box, the operating time for the selected cycle is displayed.
- You can launch a cleaning cycle by pressing the **"START / STOP"** button.
- The screen then displays the time remaining for the cleaning cycle, example :

The pool cleaner is so efficient that it is not necessary to run more than 3 cycles per week

3.2 Choice of a cleaning cycle

- **On first use** a default cleaning cycle is programmed. The indicators below are on:

  ⇨ **V3 4WD:** Bottom

  ⇨ **V4 4WD:** Low intensity Bottom Other shapes, other

- **In order to customise the cleaning cycle**, use the following buttons (see § 2):

  ⇨ **V3 4WD:**

  ⇨ **V4 4WD:**

The cleaning cycle can be customised at any time, before the cleaner starts or while it is operating. If you customise the cycle during operation, the new cycle will be launched instantly and the remaining time countdown will be reinitialised.

3.3 Removing the cleaner from the water

You can use the “remove from pool” mode during the cleaning cycle or at the end of the cycle by using the control box or the remote control (V4 4WD).

➔ **Using the control box, a short press on the**

button. The message is displayed. The cleaner moves towards a pool wall and climbs up to the waterline.

➔ **Using the remote control unit (V4 4WD) : (see § 5.1).**

To remove the cleaner from the pool at a specific location BEFORE pressing the “remove-from –water” mode

➔ **Using the control box** :

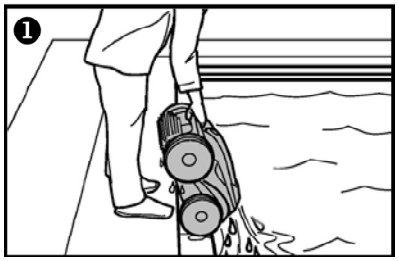
- Press the

button on the control box to make the cleaner turn to the left and to direct it in the desired direction. The message is displayed.

- The cleaner advances until you release the button

➔ **Using the remote control unit (V4 4WD) : (see § 5.1).**

- **When the cleaner is within hand's reach** pick it up by the handle and lift it gently out of the pool so that the water it contains drains into the pool **(1).**



Don't pull on the cable to remove the cleaner from the pool. Use the handle.

3.4 Stopping the cleaner

- Press the **"START / STOP"** button on the control box.
- If you want to stop the cleaner when the lift system is active: , press the

button quickly to stop the cleaner and the control box.

The control box switches to standby after 10 minutes, the screen is switched off. Just press any key to exit standby mode. Standby mode does not stop the cleaner if it is in a cleaning cycle.

4. Program cleaning cycles for when you are away

It is not recommended to unplug the power cord once the programmed cleaning cycles have completed as this will delete the time settings. The time setting will be saved for approximately 2 minutes if the power cord is disconnected.

4.1. Setting the time

- To set the time, press the CLOCK button for a longer time (3 seconds).
- The days of the week begin flashing: , then the leds .
- Select the current day using the + and − buttons.
- Validate using the OK button
- Once the day has been memorised, the hour flashes:
- Select the current hour using the + and − buttons
- Validate using the OK button
- Once the hour has been memorised, the minutes flash:
- Select the current minutes using the + and − buttons.
- Validate using the OK button
- The weekly programming setting menu appears, if you only want to set the time you can exit the menu by pressing CANCEL or PROG.

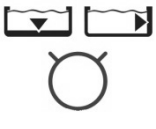
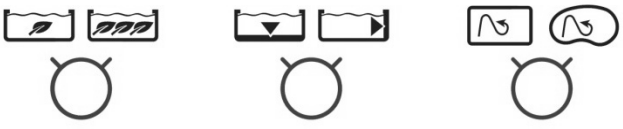
4.2 Displaying current time and day

- To display the current day, time and minutes, quickly press the CLOCK button. Display for 5 seconds:

Displaying the current time and day is not possible while the cleaner is running a cycle

4.3 Programming cleaning cycles

- You can create up to **7 cleaning cycles,** either as 7 cycles in a row, or as the same cycle repeated over several weeks (example: every Wednesday and Saturday for 3 weeks)
- After completion of the 7th cycle the PROG. LED will turn off.

- Before programming the cleaning cycles, **select the type of cycle you need :**
  - **V3 4WD :** 
  - **V4 4WD :** 

- To programme a cycle, press the PROG. button for a longer time (3 seconds). The led stops flashing PROG.
- The days of the week flash twice.
- The CLOCK LED and the current date and time flash. This is a reminder of the current date and time you entered in order to help you to programme. Press OK to start programming.

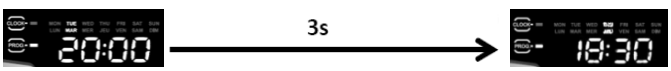
> ⚠ **If the LEDs 00:00 flash it means that the time setting is not complete. To continue with the cleaning cycle programming, it is essential to set the time first. To do this follow the instructions in § 4.1.**

- Select the day to programme using the + and − buttons.
- Validate using the OK button.
- Once the day has been memorised, the hour flashes: 00:
- Select the hour to programme using the + and − buttons.
- Validate using the OK button
- Once the hour has been memorised, the minutes flash: 08:00.
- Select the minutes to programme using the + and − buttons. Minute programming operates in quarter hours (Example : 12:**00** ➔ 12:**15**➔ 12:**30**➔ 12:**45**…).
- Validate using the OK button The next day starts flashing for an eventual programme: .
- A short press on PROG. or CANCEL exits from the menu.

> ⓘ To cancel programming use the CANCEL button:
>
> - **Long press "on the settings menu":** deletion of the programming for the day that is flashing.
> - **Long press "outside the settings menu":** deletion of all programming.
>
> The display switches off for 1 second to indicate that the programming has been deleted.

4.4 Displaying the programmed cycles

- To display the days on which the cleaning cycles have already been programmed, press the PROG. button quickly. Every day's programme will be displayed for 3 seconds:



5. Remote control (V4 4WD)

5.1 Using the remote control

By default, the remote control is already synchronised with the control box.

- To power on the remote control press the button for a long time (3 seconds). The screen displays the remote mode:

- **2 possible functions :**

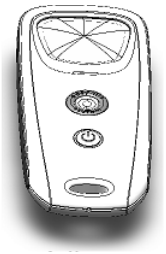
- **Pilot the cleaner:** Hold the remote control unit and move it in the desired direction using the movements illustrated below:

Forward

Left turn

STOP

Right turn



Backwards

- **Remove the cleaner from the water:** Press the LIFT SYSTEM button quickly. The message is displayed on the screen. The cleaner moves toward the wall and climbs up to the waterline.

- To turn off the remote control press . The remote control is switched off but the cleaner continues to operate.

> For the communication between the control box and the remote control to be optimal, make sure to place the control box on the caddy. Orient the control box towards the pool, and make sure there is no obstacle between the control box and the pool. The frequency of the flashing of the led located on the remote control indicates the reception quality.

5.2 Synchronise the remote control with the control box (in the event of a change of remote / control box, or both)

If equipment is replaced, it is essential to synchronise the remote with the control box.

- Switch on the remote by pressing .

- Connect the control box, when the display shows the operating time, press the OK and CANCEL buttons simultaneously for 6 seconds.

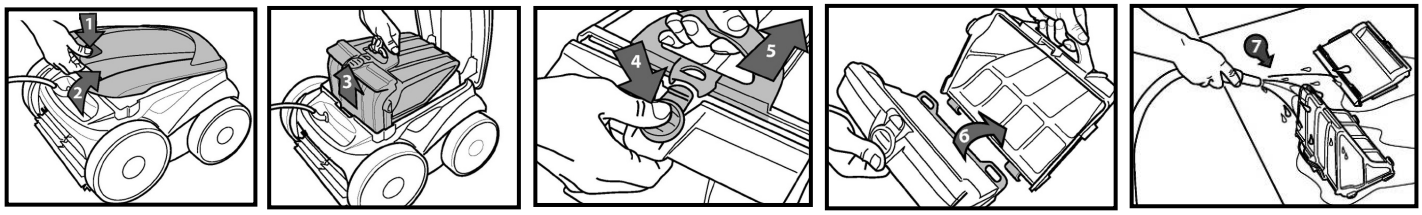
- It the synchronisation completed correctly, the following message appears and then

6. Maintenance

6.1 Cleaning the filter

The cleaner performance can be reduced if the filter is full or dirty. Make sure you clean the filter regularly with clean water for efficient pool cleaning.

- **Filter access**



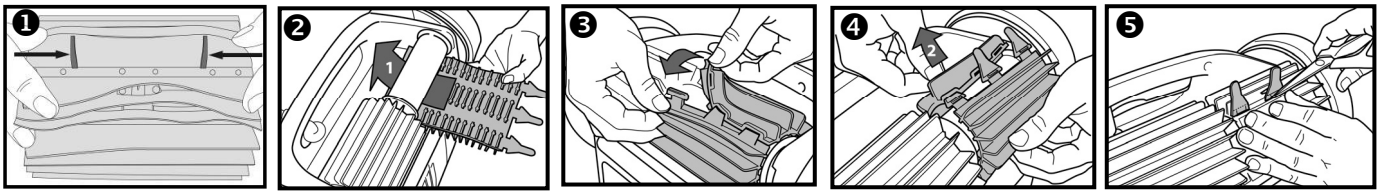
- **"Clean filter" indicator (V4 4WD)**

If the indicator on the control box lights, it is strongly recommended to clean the filter in order to perfect the cleaning.

If the indicator comes on during a cleaning cycle, it will remain on until the end of the cycle.

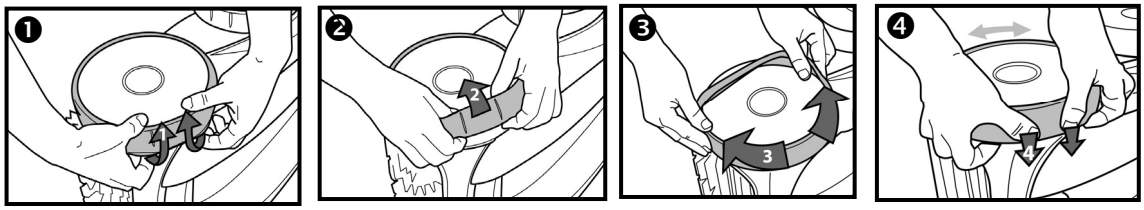
6.2 Replacing the brushes

- The cleaner is fitted with PVC brushes. They have wear indicators **(1).**
- To remove worn brushes, remove the tabs from the holes in which they are fixed.
- To fit new brushes start by fitting the side without tabs under the brush holder **(2).**
- Roll the brush around its support and slide the tabs into the fixing holes **(3).**
- Pull on the end of each tab **(4)** until its edge passes through the slit.
- Cut the tabs using scissors so that they are at the same level as the other blades **(5).**



We recommend that you replace the brushes every two seasons.

6.3 Changing the bands



6.4. Maintenance of your cleaner

- The cleaner must be cleaned regularly using clean or slightly soapy water, do not use solvents such as trichloroethylene or its equivalent. Rinse the cleaner generously using clean water. Do not let your cleaner dry in the sun by the pool.
- The cleaner must be stored on the caddy provided for this use so that it dries quickly.
- Wind the cable around the hooks.

7. Troubleshooting

In the event of malfunction, the control box indicates the error code on the screen.

- Pressing a key deletes the error code and turns off the control box.
- The screen switches to standby after 10 minutes. To turn the screen back on, just press any key.
- When an error is detected, the control box temporarily suspends the programme (the PROG. led is turned off).

Press the PROG. key for a longer period to revalidate the current programming.

7.1 Meaning of error codes and possible causes

Problems	Solutions
Error codes: 1 to 3	• Cleaner malfunction, **please contact your reseller.**
Error code: 4	• Pump motor overconsumption, check for the presence of pebbles or hair in the fan, clean the filter.
Error codes: 5 to 6	• Overconsumption of the drive motors. Check that nothing is stopping the brushes from turning correctly (sand, cable, etc.). To do this turn the wheel to the left and then right one 1/4 turn in both directions.
Error codes: 7 to 8	• Robot operating outside the pool
Error code: 10	• Check that the cleaner is correctly connected to the control box. **If the problem continues contact your reseller.**
The screen displays the LOW message when the remote control mode is active (V4 4WD)	• This means that the remote control batteries are too low.
Remote control range problems (V4 4WD)	• Make sure the control box is placed on the caddy at least 3.5 metres from the pool. • Orient the control box towards the pool in order to improve the range of the remote control. Make sure no voluminous objects are between the control box and the pool.
The cleaner does not stay firmly on the pool bottom	This may have two causes: • There is still air in the casing of the appliance. Repeat the immersion operations (see § 1.5). • the filter is full or dirty: all you have to do is clean it.
The robot does not or no longer climbs the pool sides	This may have two causes: • the filter is full or dirty: all you have to do is clean it. • even though the water seems clear, microscopic algae are present in your pool, they are not visible to the naked eye, and they make the sides slippery and prevent the cleaner from climbing. Carry out a shock chlorination and slightly reduce the pH. • **Do not leave the cleaner in the pool during shock treatments.**
On start-up the cleaner does not move	• Check that the outlet to which the control box is connected is receiving a power supply. • Check that you have started a cleaning cycle and check that the indicators are on. **If the problem continues contact your reseller.**
The cable gets tangled	• Do not unroll the entire length of the cable into the pool. • Place the required length of cable in the pool and place the rest on the side of the pool.

7.2 Pre-diagnosis in the event of a malfunction

If your cleaner malfunctions you have access to a menu which gives some indications on the status of your cleaner. This information can be used by your reseller to troubleshoot a possible breakdown.

➔ To access the menu the cleaner must not be operational and the display must be on.

➔ Press on

and

simultaneously for at least 5 seconds.

This is the information that is displayed in order every 3 seconds:

- The total cleaner operating time (in hours), example display:
- The last cleaner error code (if the cleaner has had at least one error), example display:
- The cleaner operating time at the error (if the cleaner has had at least one error), example display:

➔Once this information has been displayed, the control box returns to the menu, with the screen on:

8. Product compliance

EU
IEC 60335-2-41
Intertek
3145455L100001-01A

Australian Cert. No. **SAA100894EA**
SAA100540

87 002 641 965

The manufacturer reserves the right to modify these specifications without notice.
Although the cleaning robots have been tested in a large variety of Swimming pools, Zodiac cannot be held responsible in the case of a non perfect adaptation of the robot to a particular swimming pool.

Notes

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